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(54) **PRODUCTION METHOD FOR CAPSULAR
POLYSACCHARIDE HAVING
PNEUMOCOCCAL SEROTYPE**

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(65) **Prior Publication Data**

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(30) **Foreign Application Priority Data**

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(52) **U.S. Cl.**
CPC **A61K 39/092** (2013.01); **C12P 19/04**
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(58) **Field of Classification Search**
None
See application file for complete search history.

(57) **ABSTRACT**

The present invention provides an improved method of
producing a capsular polysaccharide having a pneumococcal
serotype. The method according to the present invention
includes a step of additionally culturing bacterial cells
producing a pneumococcal serotype without pH adjustment,
thereby removing a protein precipitation process by acidi-
fication with a pH adjuster.

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13 Claims, 6 Drawing Sheets